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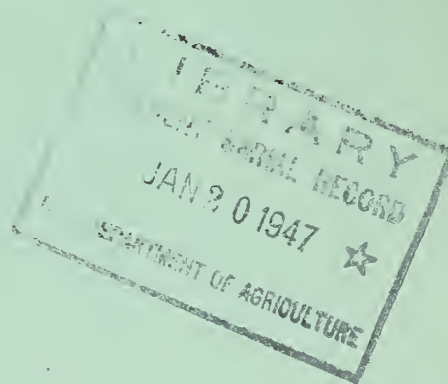
1945 PULPWOOD PRODUCTION BY COUNTY
IN THE
CAROLINAS AND VIRGINIA

by

James F. McCormack
Forester

A FOREST SURVEY PROGRESS REPORT

J. W. Cruikshank, Chief
Division of Forest Economics



✓ U. S. DEPARTMENT OF AGRICULTURE, FOREST SERVICE

✓ Southeastern Forest Experiment Station
I. T. Haig, Director
Asheville, N. C.

PREFACE

Through the McSweeny-McNary Act of 1928, Congress authorized the Secretary of Agriculture to conduct a comprehensive survey of the forest resources of the United States. The Forest Survey was organized by the Forest Service to carry out the provisions of the Act, and each of the 11 Regional Forest Experiment Stations is responsible for the work in its territory. In the Southeastern States the Forest Survey is an activity in the Division of Forest Economics of the Southeastern Forest Experiment Station, Asheville, North Carolina.

The work of the Survey is divided into five major phases:

1. Inventory. Determination of the extent, location, and condition of forest lands, and the quantity, species, and quality of timber on these lands.
2. Growth. Determination of the current rate of timber growth.
3. Drain. Determination of the amount of industrial and domestic wood used, and the total loss resulting from fire, insects, disease, suppression, and other causes.
4. Requirements. Determination of the current and probable future requirements for forest products by all classes of consumers.
5. Policies and plans. Analysis of the relation of these findings to one another and to other economic factors as a basis for public and private policies and plans of forest land use and management.

This progress report summarizes information on the 1945 production of pulpwood obtained in the course of compiling annual forest drain statistics by states and survey units.

1945 PULPWOOD PRODUCTION BY COUNTY

IN THE

CAROLINAS AND VIRGINIA

This statistical release presents data on 1945 pulpwood production by county in South Carolina, North Carolina, and Virginia. In addition, it includes a summary of pulpwood drain from these three states since the date of the original forest survey.

These data were compiled from information furnished to the Forest Survey by the individual pulp companies located in, or drawing wood from, the three-state territory. All pulpwood produced in the area was included regardless of where the receiving pulp mills were located. The majority of individual mills were able to report production by counties. In some cases, mills reported receipts by shipping points, and production was then assigned to counties on the basis of counties normally served by these shipping points. In a few cases, production was reported only by forest survey units. In such instances, production was prorated to counties within each unit on the basis of company reports for previous years or railroad shipping points normally used. Therefore, these data by counties show the approximate production and may contain small errors. Summaries of these data by groups of counties, survey units, or states will reduce the amount of error in proportion to the extent of grouping. The maps showing classes of production by counties are believed to be accurate, since the class intervals are broad enough to compensate for errors in the individual county data.

Table 1 is a summary of the total quantity of pulpwood produced in the three states, shown by survey unit and species group. Figures 1, 2, and 3 show 1945 pulpwood production by county in South Carolina, North Carolina, and Virginia, respectively. Similar data are shown in tabular form, alphabetically by county, in tables 2, 3, and 4. Table 5 shows the total pulpwood receipts at mills located in each of the three states, and the states from which the pulpwood was obtained. Table 6 indicates the volume of pulpwood exported from the Carolinas and Virginia, and the states to which the wood was shipped. Table 7 presents a historical record of the volume of pulpwood drain by states and species groups since the year of the original forest survey in each state.

Complete data on 1945 pulpwood production were not obtained in Georgia and Florida (both added to the Station's territory July 1, 1946), and are therefore not presented here.

All volumes are based on the 128 cubic-foot standard cord.

Table 1. - Pulpwood production in the Carolinas and Virginia, 1945

State	Forest survey unit	Species group			Total
		Softwoods	Hardwoods	Chestnut	
		<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>
South Carolina	Unit 1	248,343	30,032	-	278,375
	Unit 2	256,588	17,957	-	274,545
	Unit 3	318,835	5,590	121	324,546
	All units	823,766	53,579	121	877,466
North Carolina	Unit 1	154,724	5,120	-	159,844
	Unit 2	107,245	15,485	-	122,730
	Unit 3	92,046	10,701	5,497	108,244
	Unit 4	66,359	20,482	171,120	257,961
	All units	420,374	51,788	176,617	648,779
Virginia	Unit 1	341,447	21,323	-	362,770
	Unit 2	150,782	30,823	8,850	190,455
	Unit 3	72,514	31,757	6,808	111,079
	Unit 4	36,854	43,497	4,085	84,436
	Unit 5	4,048	5,266	40,845	50,159
	All units	605,645	132,666	60,588	798,899
All states	Total	1,849,785	238,033	237,326	2,325,144

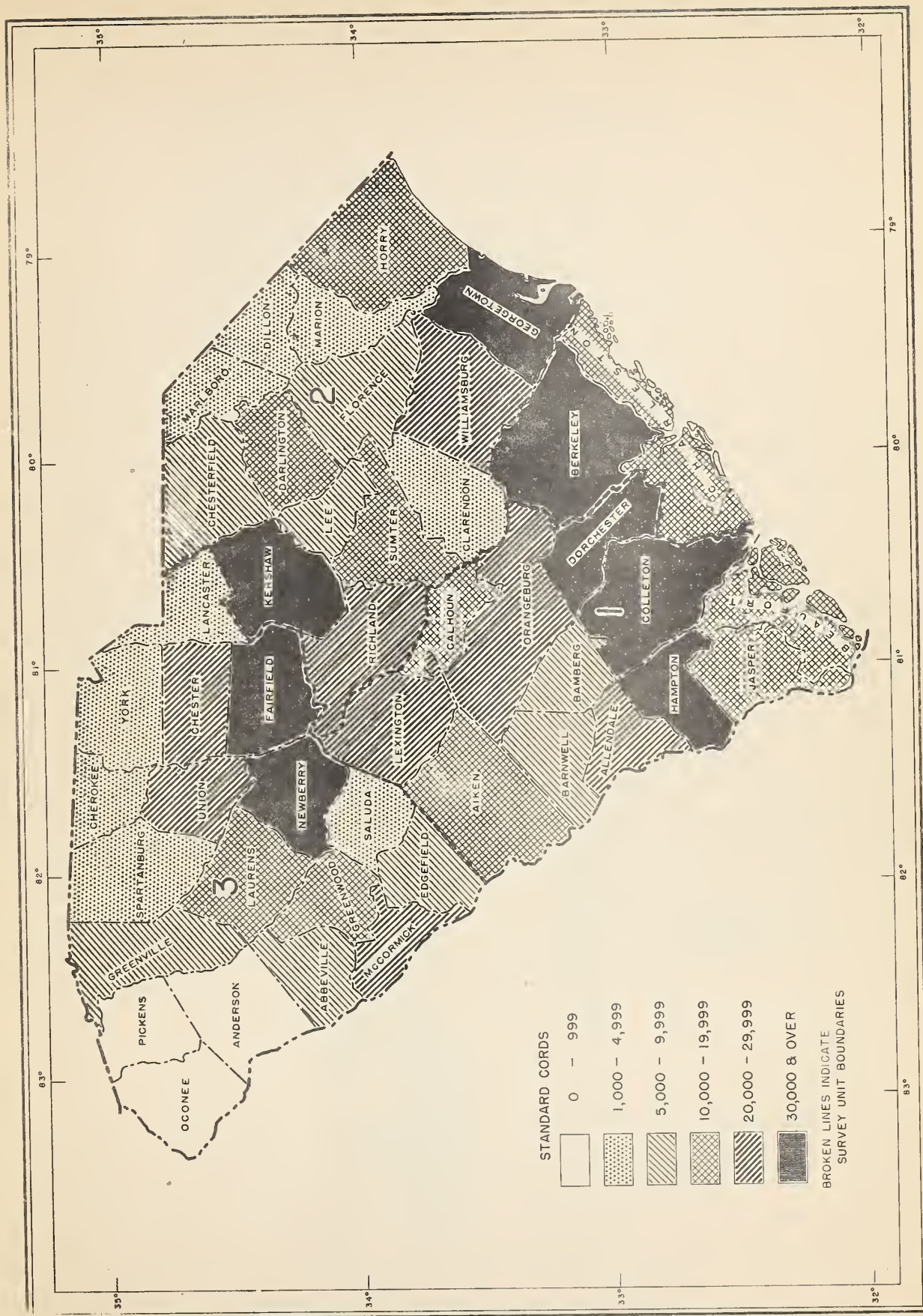


Figure 1.- Pulpwood production by county in South Carolina, 1945

Table 2. Pulpwood production by county in South Carolina, 1945

County	Species group			Total
	Softwoods Std.cords	Hardwoods Std.cords	Chestnut Std.cords	
Abbeville	6,900	-	-	6,900
Aiken	11,900	100	-	12,000
Allendale	21,800	-	-	21,800
Anderson	100	-	-	100
Bamberg	5,600	3,300	-	8,900
Barnwell	6,700	2,600	-	9,300
Beaufort	10,000	-	-	10,000
Berkeley	56,900	2,500	-	59,400
Calhoun	13,800	-	-	13,800
Charleston	10,700	400	-	11,100
Cherokee	2,100	-	-	2,100
Chester	29,300	400	-	29,700
Chesterfield	4,700	2,500	-	7,200
Clarendon	4,300	500	-	4,800
Colleton	40,200	4,300	-	44,500
Darlington	9,400	2,700	-	12,100
Dillon	2,000	100	-	2,100
Dorchester	41,500	4,900	-	46,400
Edgefield	7,500	100	-	7,600
Fairfield	120,800	2,500	-	123,300
Florence	4,900	200	-	5,100
Georgetown	46,300	700	-	47,000
Greenville	5,800	300	-	6,100
Greenwood	16,700	200	-	16,900
Hampton	43,600	1,200	-	44,800
Horry	14,300	-	-	14,300
Jasper	15,400	100	-	15,500
Kershaw	29,100	2,600	-	31,700
Lancaster	2,600	-	-	2,600
Laurens	14,000	300	-	14,300
Lee	6,100	1,400	-	7,500
Lexington	25,500	1,500	-	27,000
Marion	2,300	100	-	2,400
Marlboro	2,700	-	-	2,700
McCormick	25,200	500	-	25,700
Newberry	57,300	900	-	58,200
Oconee	100	-	100	200
Orangeburg	12,400	12,000	-	24,400
Pickens	-	-	-	-
Richland	26,900	900	-	27,800
Saluda	4,400	100	-	4,500
Spartanburg	2,400	-	-	2,400
Sumter	9,900	1,000	-	10,900
Union	22,500	300	-	22,800
Williamsburg	26,100	2,400	-	28,500
York	1,100	-	-	1,100
All counties	823,800	53,600	100	877,500

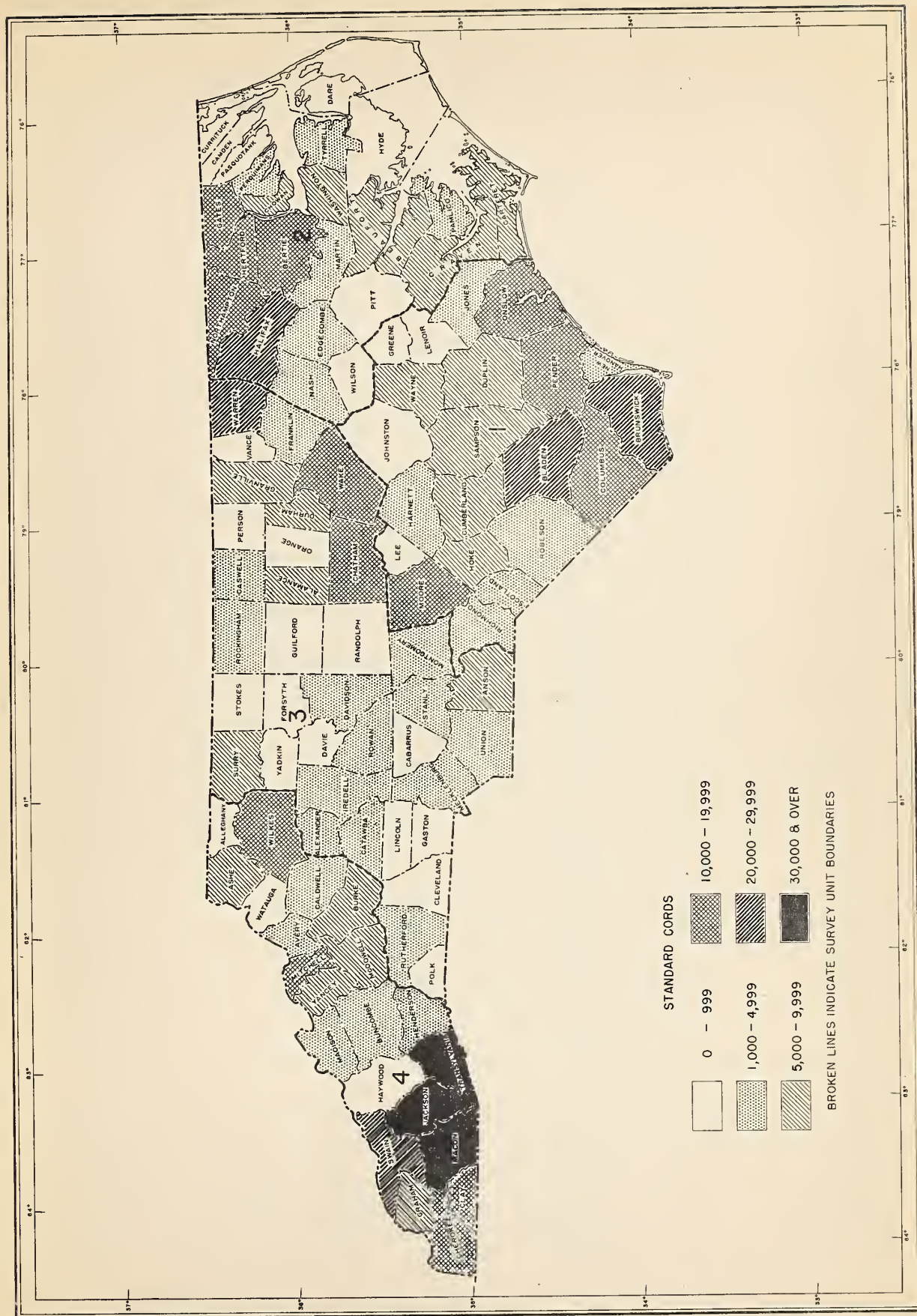


Figure 2. - Pulpwood production by county in North Carolina, 1945

Table 3. - Pulpwood production by county in North Carolina, 1945

County	Species group			Total
	Softwoods	Hardwoods	Chestnut	
	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>
Alamance	5,700	600	-	6,300
Alexander	1,900	100	-	2,000
Alleghany	-	-	-	-
Anson	4,600	1,100	-	5,700
Ashe	3,000	2,000	-	5,000
Avery	-	-	1,800	1,800
Beaufort	5,200	700	-	5,900
Bertie	13,400	3,300	-	16,700
Bladen	28,600	900	-	29,500
Brunswick	23,700	-	-	23,700
Buncombe	1,000	200	3,500	4,700
Burke	5,400	100	-	5,500
Cabarrus	-	-	-	-
Caldwell	600	-	400	1,000
Camden	-	-	-	-
Carteret	6,700	200	-	6,900
Caswell	1,700	400	-	2,100
Catawba	1,200	-	-	1,200
Chatham	14,600	-	-	14,600
Cherokee	8,900	2,800	2,600	14,300
Chowan	4,000	1,400	-	5,400
Clay	2,700	1,100	14,200	18,000
Cleveland	100	-	-	100
Columbus	10,600	500	-	11,100
Craven	5,600	600	-	6,200
Cumberland	9,000	500	-	9,500
Currituck	-	-	-	-
Dare	-	-	-	-
Davidson	700	300	-	1,000
Davie	200	-	-	200
Duplin	7,700	300	-	8,000
Durham	6,700	300	-	7,000
Edgecombe	1,000	100	-	1,100
Forsyth	-	200	-	200
Franklin	3,400	800	-	4,200
Gaston	-	-	-	-
Gates	13,000	1,300	-	14,300
Graham	2,800	1,100	3,400	7,300
Granville	5,500	200	-	5,700
Greene	-	-	-	-
Guilford	400	100	-	500
Halifax	20,700	1,100	-	21,800
Harnett	1,400	-	-	1,400
Haywood	-	-	200	200
Henderson	900	-	1,300	2,200
Hertford	12,800	1,200	-	14,000
Hoke	7,000	900	-	7,900
Hyde	-	-	-	-
Iredell	900	600	-	1,500
Jackson	1,300	1,600	40,600	43,500

Table 3. - North Carolina (cont.)

County	Species group			Total
	Softwoods	Hardwoods	Chestnut	
	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>
Johnston	-	-	-	-
Jones	3,400	200	-	3,600
Lee	600	-	-	600
Lenoir	-	-	-	-
Lincoln	-	-	-	-
Macon	2,500	2,900	46,600	52,000
Madison	400	-	2,900	3,300
Martin	4,200	700	-	4,900
McDowell	3,200	1,400	5,000	9,600
Mecklenburg	1,400	700	-	2,100
Mitchell	300	2,500	12,300	15,100
Montgomery	1,000	-	-	1,000
Moore	9,800	300	-	10,100
Nash	1,000	100	-	1,100
New Hanover	3,100	-	-	3,100
Northampton	10,000	1,000	-	11,000
Onslow	12,600	-	-	12,600
Orange	600	-	-	600
Pamlico	2,200	400	-	2,600
Pasquotank	-	-	-	-
Pender	15,100	-	-	15,100
Perquimans	2,900	800	-	3,700
Person	100	-	-	100
Pitt	-	-	-	-
Polk	400	100	-	500
Randolph	400	-	-	400
Richmond	2,200	200	-	2,400
Robeson	3,000	900	-	3,900
Rockingham	3,100	600	-	3,700
Rowan	400	600	-	1,000
Rutherford	2,900	-	-	2,900
Sampson	5,700	200	-	5,900
Scotland	4,500	-	-	4,500
Stanly	800	200	-	1,000
Stokes	-	100	-	100
Surry	100	-	5,500	5,600
Swain	4,000	3,100	14,700	21,800
Transylvania	20,200	300	15,600	36,100
Tyrell	1,100	400	-	1,500
Union	2,200	1,100	-	3,300
Vance	200	300	-	500
Wake	12,000	400	-	12,400
Warren	18,800	1,900	-	20,700
Washington	3,400	2,200	-	5,600
Watauga	-	-	-	-
Wayne	6,800	200	-	7,000
Wilkes	9,100	1,000	-	10,100
Wilson	-	-	-	-
Yadkin	-	-	-	-
Yancey	100	400	6,000	6,500
All counties	420,400	51,800	176,600	648,800

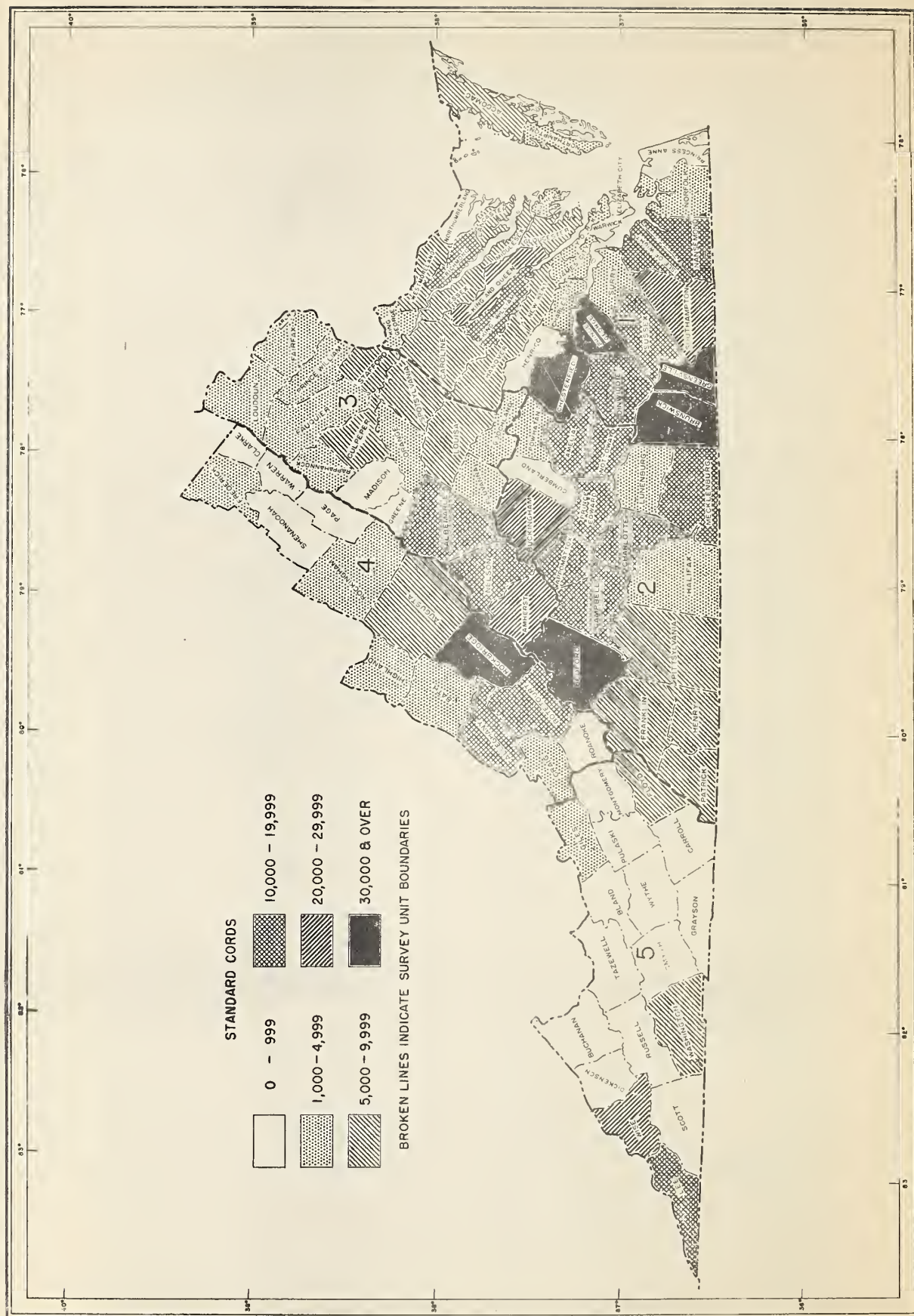


Figure 3. - Pulpwood production by county in Virginia, 1945

Table 4. - Pulpwood production by county in Virginia, 1945

County	Species group			Total
	Softwoods	Hardwoods	Chestnut	
	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>
Accomac	8,200	-	-	8,200
Albemarle	10,500	3,800	-	14,300
Alleghany	7,200	6,800	-	14,000
Amelia	10,400	100	-	10,500
Amherst	15,600	7,000	6,800	29,400
Appomattox	9,900	4,300	-	14,200
Arlington	-	-	-	-
Augusta	2,400	2,700	-	5,100
Bath	2,000	2,300	-	4,300
Bedford	21,300	3,900	5,500	30,700
Bland	-	-	-	-
Botetourt	6,100	5,500	-	11,600
Brunswick	27,700	2,900	-	30,600
Buchanan	-	-	-	-
Buckingham	14,600	9,200	-	23,800
Campbell	11,100	1,500	-	12,600
Caroline	7,200	700	-	7,900
Carroll	500	200	-	700
Charles City	1,500	200	-	1,700
Charlotte	12,000	2,100	-	14,100
Chesterfield	40,900	3,500	-	44,400
Clarke	-	-	-	-
Craig	2,000	1,800	-	3,800
Culpeper	5,500	1,600	-	7,100
Cumberland	-	600	-	600
Dickenson	-	-	-	-
Dinwiddie	10,000	1,000	-	11,000
Elizabeth City	200	-	-	200
Essex	6,200	-	-	6,200
Fairfax	2,600	1,600	-	4,200
Fauquier	2,700	1,500	-	4,200
Floyd	500	300	6,800	7,600
Fluvanna	1,700	2,500	-	4,200
Franklin	4,900	300	-	5,200
Frederick	800	1,100	-	1,900
Giles	1,400	300	-	1,700
Gloucester	7,100	-	-	7,100
Goochland	2,800	400	-	3,200
Grayson	-	600	-	600
Greene	-	-	-	-
Greensville	28,900	2,300	-	31,200
Halifax	2,300	700	-	3,000
Hanover	5,800	200	-	6,000
Henrico	500	-	-	500
Henry	5,000	300	-	5,300
Highland	2,000	2,300	-	4,300
Isle of Wight	9,200	1,000	-	10,200
James City	3,600	-	-	3,600
King and Queen	21,800	-	-	21,800
King George	2,100	1,200	-	3,300
King William	19,800	-	-	19,800

Table 4. - Virginia (cont.)

County	Species group			Total
	Softwoods	Hardwoods	Chestnut	
	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>	
Lancaster	8,800	-	-	8,800
Lee	100	-	10,200	10,300
Loudoun	1,400	1,300	-	2,700
Louisa	6,200	700	-	6,900
Lunenburg	4,200	200	-	4,400
Madison	-	-	-	-
Mathews	1,100	-	-	1,100
Mecklenburg	9,700	700	-	10,400
Middlesex	5,100	-	-	5,100
Montgomery	500	300	-	800
Nansemond	13,000	1,500	-	14,500
Nelson	8,900	3,700	-	12,600
New Kent	8,600	-	-	8,600
Norfolk	2,000	300	-	2,300
Northampton	4,300	-	-	4,300
Northumberland	-	-	-	-
Nottoway	17,800	1,500	-	19,300
Orange	3,200	700	-	3,900
Page	-	-	-	-
Patrick	4,900	300	3,400	8,600
Pittsylvania	6,500	2,000	-	8,500
Powhatan	3,700	300	-	4,000
Prince Edward	12,500	2,800	-	15,300
Prince George	30,100	2,600	-	32,700
Prince William	2,700	1,900	-	4,600
Princess Anne	200	-	-	200
Pulaski	500	200	-	700
Rappahannock	1,200	1,200	-	2,400
Richmond	19,300	-	-	19,300
Roanoke	-	-	-	-
Rockbridge	13,000	20,000	4,100	37,100
Rockingham	500	500	-	1,000
Russell	-	-	-	-
Scott	-	-	-	-
Shenandoah	300	500	-	800
Smyth	-	600	-	600
Southampton	19,000	2,000	-	21,000
Spotsylvania	3,500	1,900	-	5,400
Stafford	4,000	2,000	-	6,000
Surry	4,300	400	-	4,700
Sussex	14,100	1,500	-	15,600
Tazewell	-	-	-	-
Warren	500	-	-	500
Warwick	400	-	-	400
Washington	-	2,600	3,400	6,000
Westmoreland	8,000	-	-	8,000
Wise	-	-	20,400	20,400
Wythe	500	200	-	700
York	2,500	-	-	2,500
All counties	605,600	132,700	60,600	798,900

Table 5. - Source of pulpwood received at pulp mills in the Carolinas and Virginia, 1945

Location of mills	Species group	Source of wood							Total
		South Carolina	North Carolina	Virginia	Georgia	Tennessee	West Virginia	All other ^{1/}	
		Std.cds.	Std.cds.	Std.cds.	Std.cds.	Std.cds.	Std.cds.	Std.cds.	Std.cds.
South Carolina	Pine	592,778	86,589	-	158,485	-	-	5,897	843,749
	Hardwood	16,481	105	-	2,035	-	-	-	18,621
	Total	609,259	86,694	-	160,520	-	-	5,897	862,370
North Carolina	Pine	133,085	284,233	22,451	13,007	41,400	-	230	494,406
	Hardwood ^{2/}	22,029	210,915	1,275	22,241	6,348	-	13	262,821
	Total	155,114	495,148	23,726	35,248	47,748	-	243	757,227
Virginia	Pine	1,903	49,552	537,969	-	-	1,366	2,048	592,838
	Hardwood ^{2/}	190	15,883	165,476	-	31,000	7,966	1,370	221,885
	Total	2,093	65,435	703,445	-	31,000	9,332	3,418	814,723
All states ^{3/}	Pine	727,766	420,374	560,420	171,492	41,400	1,366	8,175	1,930,993
	Hardwood ^{2/}	38,700	226,903	166,751	24,276	37,348	7,966	1,383	503,327
	Total	766,466	647,277	727,171	195,768	78,748	9,332	9,558	2,434,320

^{1/} Florida, Kentucky, and Alabama.

^{2/} Includes chestnut.

^{3/} See table 6 for exports from Carolinas and Virginia to mills outside of these three states.

Table 6. - Pulpwood exports from the Carolinas and Virginia, 1945

Source of wood	Species group	Destination of wood			Total
		Pennsyl- vania	Georgia	Other states ^{1/}	
		<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>	<u>Std.cords</u>
South Carolina	Pine	-	96,000	-	96,000
	Hardwood	-	15,000	-	15,000
	Total	-	111,000	-	111,000
North Carolina	Pine	-	-	-	-
	Hardwood	-	-	1,502	1,502
	Total	-	-	1,502	1,502
Virginia	Pine	36,015	-	9,210	45,225
	Hardwood	24,088	-	2,415	26,503
	Total	60,103	-	11,625	71,728
All states	Pine	36,015	96,000	9,210	141,225
	Hardwood	24,088	15,000	3,917	43,005
	Total	60,103	111,000	13,127	184,230

^{1/} Maryland and Tennessee.

Table 7. - Historical record of pulpwood^{1/} drain in the Carolinas and Virginia, 1936-1945

Year	South Carolina		North Carolina		Virginia		Total	
	Pine	Hdwd.	Pine	Hdwd.	Pine	Hdwd.	Pine	Hdwd.
	<u>M cds.</u>	<u>M cds.</u>	<u>M cds.</u>	<u>M cds.</u>	<u>M cds.</u>	<u>M cds.</u>	<u>M cds.</u>	<u>M cds.</u>
1936	35.8	12.8	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1937	364.4	29.3	170.4	69.6	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1938	362.7	21.6	250.6	40.3	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1939	533.6	17.0	275.4	40.0	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1940	602.8	67.5	431.2	80.9	615.6	85.2	1,649.6	233.6
1941	727.0	70.9	495.5	87.2	699.9	72.6	1,922.4	230.7
1942	891.9	54.2	516.0	90.3	651.1	90.5	2,059.0	235.0
1943	936.0	38.8	465.3	82.0	679.4	138.1	2,080.7	258.9
1944 ^{3/}	920.1	40.7	444.9	75.5	667.3	162.4	2,032.3	278.6
1945 ^{3/}	823.8	53.6	420.4	51.8	605.6	132.7	1,849.8	238.1

^{1/} Chestnut is not included.

^{2/} Prior to original forest survey, data not compiled.

^{3/} Amount of pulpwood produced; final drain estimates will be slightly less due to adjustments for over-utilization.

PULP MILLS DRAWING WOOD FROM THE CAROLINAS AND VIRGINIA

South Carolina

International Paper Co., Southern Kraft Div.	Georgetown, S. C.
West Virginia Pulp & Paper Company	Charleston, S. C.
Sonoco Products Company	Hartsville, S. C.

North Carolina

Champion Paper & Fibre Company	Canton, N. C.
Halifax Paper Company	Roanoke Rapids, N. C.
Mead Corporation	Sylva, N. C.
North Carolina Pulp Company	Plymouth, N. C.

Virginia

Bedford Pulp and Paper Company	Big Island, Va.
Camp Manufacturing Company	Franklin, Va.
Chesapeake Corporation of Virginia	West Point, Va.
Columbian Paper Company	Buena Vista, Va.
Columbian Paper Company	Bristol, Va.
Hummel-Ross Fibre Corp.	Hopewell, Va.
Johns-Manville Products Corp.	Jarratt, Va.
Mead Corporation	Lynchburg, Va.
West Virginia Pulp & Paper Company	Covington, Va.

Georgia

Brunswick Pulp & Paper Co.	Brunswick, Ga.
Union Bag & Paper Corporation	Savannah, Ga.

Pennsylvania

Armstrong Forest Company	Lock Haven, Pa.
P. H. Glatfelter Company	Spring Grove, Pa.
West Virginia Pulp & Paper Company	Tyrone, Pa.
West Virginia Pulp & Paper Company	Williamsburg, Pa.

Maryland

West Virginia Pulp & Paper Company	Luke, Md.
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Tennessee

Mead Corporation	Kingsport, Tenn.
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Forest Survey Reports
published by
Southeastern Forest Experiment Station

Forest Survey Releases

- No. 1 - Forest Resources of the Northern Coastal Plain of South Carolina.
July 15, 1939
- No. 2 - Forest Resources of the Piedmont Region of South Carolina.
September 1, 1939
- No. 3 - Forest Resources of the Southern Coastal Plain of South Carolina.
December 1, 1939
- No. 4 - Forest Resources of the Southern Coastal Plain of North Carolina.
April 1, 1940
- No. 5 - Forest Resources of the Northern Coastal Plain of North Carolina.
June 15, 1940
- No. 6 - Forest Resources of the Piedmont Region of North Carolina.
November 15, 1940
- No. 7 - Forest Resources of the Mountain Region of North Carolina.
April 1, 1941
- No. 8 - The Distribution of Commercial Forest Trees in North Carolina.
May 15, 1941
- No. 9 - The Distribution of Commercial Forest Trees in South Carolina.
May 15, 1941
- No. 10 - The Distribution of Commercial Forest Trees in Virginia.
September 15, 1942
- No. 11 - Virginia's Forests.
November 1, 1942
- No. 12 - The Forest Situation in the Coastal Plain of Virginia.
April 1, 1943
- No. 13 - The Forest Situation in Piedmont Virginia.
May 15, 1943
- No. 14 - Preliminary Estimate of 1942 Lumber Production in the Carolinas,
Virginia, West Virginia, Kentucky, and Tennessee.
November 1, 1943
- No. 15 - The Forest Situation in the Mountain Region of Virginia.
December 15, 1943
- No. 16 - Wartime Lumber Production in the Appalachian Hardwood Region,
January 1942-June 1944.
November 15, 1944
- No. 17 - Wood Waste Available for Conversion to Ethyl Alcohol in the
Columbia Area of South Carolina. December 15, 1944
- No. 18 - North Carolina Forest Growth and Drain, 1937-1943.
January 31, 1945
- No. 19 - Approximate Forest Area and Timber Volume by County in the
Carolinas and Virginia. April 1, 1945
- No. 20 - South Carolina Forest Growth and Drain, 1936-1943. June 1, 1945

USDA Miscellaneous Publications

- No. 533 - North Carolina Forest Resources and Industries. January 1944
- No. 552 - South Carolina Forest Resources and Industries. November 1944

